WHAT IS CLAIMED IS:

1		l. `	A method for identifying a compound that modulates I		
2	lymphocyte activation, the method comprising the stcps of:				
3	(i) contacting the compound with a TRAC1 polypeptide or a fragment				
4	thereof, the polypeptide or fragment thereof encoded by a nucleic acid that hybridizes				
5	under stringent conditions to a nucleic acid encoding a polypeptide having an amino acid				
6	sequence of SEQ ID NO:1; and				
7		(ii) det	termining the functional effect of the compound upon the TRAC1		
8	polypeptide.				
1		2.	The method of claim 1, wherein the functional effect is measured		
2	in vitro.				
1		3.	The method of claim 2, wherein the functional effect is a physical		
2	effect.				
1		4.	The method of claim 2, wherein the functional effect is a chemical		
2	effect.				
1		5.	The method of claim 4, wherein the functional effect is determined		
2	by measuring	ligase a	ctivity.		
1		6.	The method of claim 1, wherein the polypeptide is expressed in a		
2	host cell.				
1		7.	The method of claim 6, whercin the functional effect is a physical		
2	effect.				
l		8.	The method of claim 6, wherein the functional effect is a chemical		
2	or phenotypic	cffect.			
1		9.	The method of claim 6, wherein the host cell is primary T		
2	lymphocytc.				
1		10.	The method of claim 6, wherein the host cell is a cultured T cell.		
1		11.	The method of claim 10, wherein the host cell is a Jurkat cell.		

1		12.	The method of claim 6, wherein the chemical or phenotypic effect	
2	is determined by measuring CD69 expression, intracellular Ca2+ mobilization, Ca2+			
3	influx, ligase	activi t y,	or lymphocyte proliferation.	
1		13.	The method of claim 1, wherein modulation is inhibition of T	
2	lymphocyte ac	ctivation	1.	
1		14.	The method of claim 1, wherein the polypeptide is recombinant.	
1		15.	The method of claim 1, wherein the TRAC1 polypeptide comprises	
2,	an amino acid sequence of SEQ ID NO:1.			
l 2	anaadad by a	16.	The method of claim 1, wherein the TRAC1 polypeptide is	
2	encoded by a l	ilucicie	acid comprising a nucleotide sequence of SEQ ID NO:2.	
1		17.	The method of claim 1, wherein the compound is an antibody.	
1		18.	The method of claim 1, wherein the compound is an antisense	
2	molecule.			
1 2	molecule.	19.	The method of claim 1, wherein the compound is a small organic	
1		20.	The method of claim 1, wherein the compound is a peptide	
1		21.	The method of claim 20, wherein the peptide is circular.	
1		22.	A method for identifying a compound that modulates T	
2	lymphocyte ac	tivation	, the method comprising the steps of:	
3		(i) cont	tacting a T cell comprising a TRAC1 polypeptide or fragment	
4	thereof with th	ne comp	ound, the TRAC1 polypeptide or fragment thereof encoded by a	
5	nucleic acid th	at hybri	dizes under stringent conditions to a nucleic acid encoding a	
6	polypeptide having an amino acid sequence of SEQ ID NO:1; and			
7		(ii) det	ermining the chemical or phenotypic effect of the compound upon	
8	the cell compr	ising the	e TRAC1 polypeptide or fragment thereof, thereby identifying a	
9	compound tha	t modul	ates T lymphocyte activation.	

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1	A method for identifying a compound that modulates T				
2	lymphocyte activation, the method comprising the stcps of:				
3	(i) contacting the compound with a TRAC1 polypeptide or a fragment				
4	thereof, the TRAC1 polypeptide or fragment thereof encoded by a nucleic acid that				
5	hybridizes under stringent conditions to a nucleic acid encoding a polypeptide having an				
6	amino acid sequence of SEQ ID NO:1;				
7	(ii) determining the physical effect of the compound upon the TRAC1				
8	polypeptide; and				
9	(iii) determining the chemical or phenotypic effect of the compound upon				
10	a cell comprising the TRAC1 polypeptide or fragment thereof, thereby identifying a				
11	compound that modulates T lymphocyte activation.				
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1	24. A method for identifying a compound capable of interfering with				
2	binding of an TRAC polypeptide or fragment thereof, the method comprising the steps				
3	of:				
4	(i) combining an TRAC1 polypeptide or fragment thereof with an E2				
5	ubiquitin-conjugating enzyme polypeptide and the compound, wherein the TRAC1				
6	polypeptide or fragment thereof is encoded by a nucleic acid that hybridizes under				
7	stringent conditions to a nucleic acid encoding a polypeptide having an amino acid				
8	sequence of SEQ ID NO:2; and				
9	(ii) determining the binding of the TRAC1 polypeptide or fragment thereof				
10	to the E2 ubiquitin-conjugating enzyme polypeptide.				
1	25. The method of claim 24, wherein the TRAC1 polypeptide or				
2	fragment thereof has ligase activity.				
<u>-</u>	nagment dicreor has figase activity.				
1	26. The method of claim 24, wherein the E2 ubiquitin-conjugating				
2	enzyme polypeptide is selected from the group consisting of Ubc5, Ubc7, and Ubc8.				
1	The method of claim 24, wherein the TRAC1 polypeptide or				
2	fragment thereof and the E2 ubiquitin-conjugating enzyme polypeptide are combined				
3	first.				
1	28. The method of claim 24, wherein the reaction is performed <i>in vitro</i> .				

1 2 3	fragment there cell.	29. eof and	The method of claim 24, wherein the TRAC1 polypeptide or the E2 ubiquitin-conjugating enzyme polypeptide are expressed in a	
1		30.	The method of claim 29, wherein the cell is a yeast cell.	
1		31.	The method of claim 30, wherein the TRAC1 polypeptide or	
2	fragment thereof is fused to a heterologous polypeptide.			
1		32.	The method of claim 24, wherein the binding of the TRAC1	
2	polypeptide or	r fragme	ent thereof to the E2 ubiquitin-conjugating enzyme polypeptide is	
3	determined by	/ measu	ring reporter gene expression.	
1		3 3.	An isolated complex comprising a TRAC1 polypeptide or fragment	
2	thereof bound	to an E	2 ubiquitin-conjugating enzyme polypeptide, wherein the TRAC1	
3	polypeptide or	r fragme	ent thereof is encoded by a nucleic acid that hybridizes under	
4	stringent cond	litions k	o a nucleic acid encoding a polypeptide having an amino acid	
5	sequence of S	EQ ID I	O:2.	
1		34.	The complex of claim 33, wherein the E2 ubiquitin-conjugating	
2	enzyme polyp	eptide i	s selected from the group consisting of Ubc5, Ubc7, and Ubc8.	
1		35.	A method of modulating T lymphocyte activation in a subject, the	
2	method compr	rising th	ne step of administering to the subject a therapeutically effective	
3	amount of a co	ompoun	d identified using the method of claim 1.	
1		36.	The method of claim 35, wherein the subject is a human.	
1		37.	The method of claim 35, wherein the compound is an antibody.	
1		38.	The method of claim 35, wherein the compound is an antisense	
2	molecule.			
1		39.	The method of claim 35, wherein the compound is a small organic	
2	molecule.			
1		40	The method of claim 35, wherein the compound is a pentide	

1	41. The method of claim 40, wherein the peptide is circular.					
1	42. The method of claim 35, wherein the compound inhibits T					
2	lymphocyte activation.					
1	43. A method of modulating T lymphocyte activation in a subject, the					
2	method comprising the step of administering to the subject a therapeutically effective					
3	amount of a TRAC1 polypeptide, the polypeptide encoded by a nucleic acid that					
4	hybridizes under stringent conditions to a nucleic acid encoding a polypeptide having an					
5	amino acid sequence of SEQ ID NO:1.					
1	44. The method of claim 43, wherein the TRAC1 polypeptide					
2	comprises an amino acid sequence of SEQ ID NO:1.					
1	45. A method of modulating T lymphocyte activation in a subject, the					
2	method comprising the step of administering to the subject a therapeutically effective					
3	amount of a nucleic acid encoding a TRAC1 polypeptide, wherein the nucleic acid					
4	hybridizes under stringent conditions to a nucleic acid encoding a polypeptide having an					
5	amino acid sequence of SEQ ID NO:1.					
1	46. The method of claim 45, wherein the TRAC1 nucleic acid					
2	comprises a nucleotide sequence of SEO ID NO:2.					